



Docket No.: 08228/061001  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Hisao Sato et al.

Application No.: 10/516,703

Confirmation No.: 6746

Filed: December 2, 2004

Art Unit: 2826

For: GALLIUM NITRIDE COMPOUND  
SEMICONDUCTOR DEVICE AND  
MANUFACTURING METHOD

Examiner: T. N. Tran

**RESPONSE TO ELECTION OF SPECIES REQUIREMENTS**

MS: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

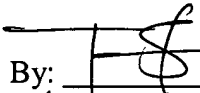
In response to the Election of Species Requirement dated January 4, 2007, Applicant elects Subspecies A, on which claims 1-10, 18, and 20 read, for prosecution. Claim 10 is generic to both Subspecies A and Subspecies B. Non-elected claims are left pending in view of the generic claim.


Applicant respectfully notes that the first and second superlattice layers as recited in claim 1 require an n-type AlGa<sub>N</sub> layer and a p-type AlGa<sub>N</sub> layer, respectively. Claim 10 recites an n-type AlGa<sub>N</sub> layer and a p-type AlGa<sub>N</sub> layer, and a multiple quantum well layer common to both claims 1 and 10. Thus, claim 10 is generic to both Subspecies and, thus, reads on Subspecies A.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account 50-0591, Reference No. 08228/061001, from which the undersigned is authorized to draw.

Dated: February 2, 2007

Respectfully submitted,

By:  #45,079

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